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COLLEGE NEWS

S. S. HUNT, EDITOR.

ARCHITECTS

The Architectural Club has been unusually active and may safely claim that it is one of the most progressive and wide-awake departmental organizations on the campus. The executive committee of the club co-operates with the Faculty in matters pertaining to the good of the department, which fact results in harmonious relations between faculty and students.

After the business session of the regular semi-monthly meeting, Professor Kelly of the Art Department gave an interesting talk on "Egyptian Art," illustrated by lantern slides.

On March 11, Mr. J. A. White, a representative of the Indiana Limestone Association, gave a very interesting and instructive lecture on "Building Limestone," illustrated by lantern slides and followed by three reels of motion pictures showing the quarrying, handling and finishing of Indiana limestone.

On April 6, the Club enjoyed a talk on "Oriental Rugs," by Mr. Menendian, local dealer and authority.

Chief among the social activities of the Club was the annual Smock Dance, given by the Sophomores following the Smock Day Exercises.

The Department was well represented in Intramural athletics. The basketball team was runner-up in the College League and the Architects' track team took second place in the Intramural track meet.

CERAMICS

Professor Dana J. Demorest of the Metallurgical Department gave a very interesting talk to the Student Branch of the American Ceramic Society at its regular meeting on March 21. He spoke on "The Requirements Which Refractories Must Meet in Metallurgical Work."

Mr. E. P. Poste of Elyria addressed the Society at the regular meeting held March 16, on the subject of "Enamels." He showed slides and samples showing the different phases of the manufacture of metal enameling. Quite a few of the chemical engineers were present at this meeting and it is the society's hope that they will be with us often.

At the regular meeting of April 13, Mr. H. G. Schurecht of the U. S. Bureau of Mines Ceramic Experimental Station, spoke upon "The Effect of the Size of Grains in Clay Bodies." A talk by Mr. J. S. Gregorious on "Glass Manufacture," concluded the programme.

The last meeting of the Student Branch will be held about the second week in May, at which time a banquet for all men in the department will be held. This banquet is to take the place of the annual pig roast and will mark a very fitting close to a successful year for the society.

Professors A. S. Watts and C. B. Harrop and Mr. E. E. Rice attended the annual convention of The American Ceramic Society, held in Philadelphia on February 23-26. It seems quite probable that this convention will be held in Columbus next year.

On February 18-19, classes were excused to allow the upper classmen to attend the meetings of the National Brick Manufacturer's Association Convention, which was held at the Deshler Hotel. Many interesting talks were given covering the different phases of this field of Ceramic work.

Mr. A. V. Bleininger of the Bureau of Standards at Pittsburgh and Mr. M. E. Gregory, '15, of Corning, N. Y., were recent visitors.

Mr. J. B. Blewett, '17, of the McLain Fire Brick Co., Pittsburgh, Pa., and Mr. R. A. Shipley, ex '16, Asst. Supt. of the National Fireproofing Co., visited the school looking for men for their respective firms. Mr. Chas. Laird, ex. '21, left with Mr. Blewett and is now located at one of the company's plants in Pennsylvania.

CHEMICALS

The Student Branch of the Chemical Society has been very fortunate this semester in being so generously invited to hold their joint meetings with the Columbus Branch of the American Chemical Society. On Feb. 7, Dr. Noyes of the University of Illinois, chose for his subject: "Foundation for Chemical Development." Dr. W. A. Patrick, of John Hopkins, spoke on "Silicic Acid Gels," and their application to industrial problems. The Chemicals were also able to hear the most talked of man in theoretical chemistry today, Dr. Irving Langmuir of the General Electric Co., who talked April 7, on "The Structure of the Atom and Chemical Valence." On April 28, Prof. H. E. Quinno, of the Municipal University of Akron, spoke on "The Story of Crude Rubber."

Chemical Society gave its Annual Dance at the new Southern Hotel, April 23. It was a success and every "chemicer" had a good time.

On May 17, the Senior Chemical Engineers, 25 in number, will leave on their annual inspection trip, to visit the following cities: Dayton, West Carrollton, Toledo, Cincinnati, Chicago, Detroit, and Windsor, Canada. Dr. James Withrow and Mr. Frank Vilbrandt will make the trip with the Seniors.

The following Engineers were elected into honorary chemical fraternity, Phi Lambda Upsilon: H. C. Howell, R. D. Baker, D. B. Brooks, Homer Cupples, George Wrassman.

At the beginning of the semester officers were elected: Pres., Homer Cupples; vice-pres., Walter Hoffman; treas., Preston G. Hoff; master of ceremonies, Harold Baque; secy., Miss Williard; sergeant of arms, Clarence Hassler.

CIVILS

Prof. E. H. Eno, of the department was in Cincinnati recently in the interests of city planning work.

Coal shortage, due to the switchmen's strike have prohibited any recent meetings of the Civil Engineer's Club. A banquet for some time in May is being looked forward to.

There will be about 40 men graduating from the Civil department this year. This is perhaps the largest class in its history.

The Civils have a baseball team again this spring which will undoubtedly make itself noticed in the intramural games.

There are a great number of requests for civil engineers to take positions this spring, and the lookout for the graduates is exceptionally encouraging this year.

THE EASTERN INSPECTION TRIP FROM A MECHANICAL VIEWPOINT

H. R. ANSEL, M. E., '20.

The annual inspection trip for the senior mechanical and electrical engineers began Wednesday, March 24, and ended Saturday, April 3, and included visits to Pittsburgh, Philadelphia, New York, Albany, Schenectady, Buffalo, Niagara Falls and Cleveland.

It might be well to say something about the value of such a trip and discuss some changes which may be of value to the prospective senior of next year. During the first part of the trip details will impress the student more than during the latter part, when details become a mass of things which seem to be but a repetition. It takes several days before one knows what to look for and what to remember in going through a large plant.

Each senior class is permitted to choose between a long and a short trip, and it is the writer's endeavor to prove the value of the long trip. In the first place, Ohio itself, and perhaps Franklin County alone, has enough interesting plants to furnish a profitable ten day inspection trip. Many of the plants visited can be almost duplicated in a short radius, but to the majority of the party the thing of importance which rivals the engineering interest of the trip is the broadened viewpoint which comes from seeing industries in various portions of the country. To those members of the class who have not had an opportunity to travel much, it affords an excellent means of seeing a few of the wonder spots of America.

It is interesting to contrast the dirty, hilly industrial regions of Pennsylvania, with the district of water power and high tension transmission around Niagara. It is interesting to contrast the street railways of small cities with the subway express in New York and compare the types of buildings in one city with those of another, and the people who populate one section of the country with those of another. It is indeed interesting to note the labor conditions and the methods by which companies handle their employees.

The trip gives one a chance to see at first hand the advantage and disadvantages of a large corporation over a small company. It presents many problems in handling a working force of 30,000

people, and brings before one problems of women laborers. In some cases the value of foreign labor to this country is indicated.

Needless to say the details of such a trip must be worked out to the best advantage of all concerned. Much credit must be given those members of the faculty who conduct the inspections. But little criticism is to be made of the plants visited, and perhaps the suggestions that follow have already occurred to the "powers that be" and have been discarded because of some difficulty or another. However, the senior should have some idea as to whether the plants visited are the ones he wants to see, and should be able to suggest substitutes for undesirables.

It seems to the writer that the Hardwick & Magee Carpet factory of Philadelphia, and the Shredded Wheat Company of Niagara Falls are hardly up to the standard of the other plants inspected, although it is true that, while in that vicinity they may as well be added to the list. The carpet factory served its purpose in being across the street from the Philadelphia high-pressure pumping station which proved to be one of the most interesting places. This should certainly be added to the itinerary. Some of the large coal mines of Pennsylvania, an aluminum plant near Niagara and ore handling docks on the Lakes, are things which would help to broaden the engineer's viewpoint.

Many Ohio State Alumni were found along the way and several banquets by Alumni Associations and Engineers Clubs served to make them acquainted with the travelers. Ohio State men are up and doing everywhere, and some of the important development work in big fields is being done by Ohio men.

MECHANICALS

The first meeting of the A. S. M. E. after the holidays was addressed by Mr. Harvey G. Hays, manager of the Hays Engineering Co., of Columbus. Mr. Hays' remarks were in regard to combustion engineering, the saving of coal, the use of power plant apparatus and included a description of the CO₂ recorder which his company has on the market.

At the next meeting a series of lantern slides furnished by the Combustion Engineering Corporation were shown. These slides showed all the various types of automatic stokers, especially the Type E. Stoker and the Cox Traveling Grate for which this company is promoting sales.

The Mechanical's basketball team finished first in its league and in its first step towards intramural championship was defeated by the Vets 20-19. The Mechanicals are looking forward to a successful season in intramural baseball and tennis.

On Friday, April 16, Mr. A. E. Hitchcock was in Robinson Laboratory representing the Bailey Motor Co. of Cleveland. Mr. Hitchcock was formerly a professor in this department and according to faculty members his presence seemed like old times. Mr. Hitchcock made an address on "Power Reminiscences," before the society and also showed some lantern slides.

A joint A. S. M. E. and A. I. E. E. dance was held Saturday, April 24, at the Seneca.

MINING

The Mining Society has been addressed this semester by two special speakers, Mr. Edwin Buchanan, of the Ohio National Bank, and Dr. J. A. Bownocker, of the University.

Mr. Buchanan, in a very interesting manner, outlined the banking methods of the country and gave an historical sketch of the founding of the Federal Reserve Bank System. The Society appreciated Mr. Buchanan's address for it realizes that its members, as student engineers, know very little of the principles of banking and finance.

Dr. Bownocker addressed the society on the subject, "Oil and Its Future in the United States." He followed the rise of the oil industry from 1859, when the production amounted to only a few thousand barrels, to its present state of production amounting to 3,500,000,000 barrels. According to Dr. Bownocker, the oil reserve of the United States is diminishing while the demand is rapidly increasing. He showed that the United States in the past ten years had changed from an exporter to an importer of oil. Dr. Bownocker also described from a geological viewpoint the main oil fields of the United States.

THE COLUMBUS ELECTRICAL SHOW

C. H. HOOVER, E. E., '20.

The Columbus Electrical Show given under the auspices of the Columbus Electrical Dealers and Contractors Association in co-operation with the Ohio State University Branch of the A. I. E. E., was a complete success and eclipsed all previous shows from all standpoints. Memorial Hall was crowded to its full capacity practically every minute during the entire show. The attendance records showed over 12,000 admissions for the six days.

A big factor in securing this large attendance was the advertising campaign carried out by members of the A. I. E. E. At the suggestion of the general committee a prize was offered for the best poster displaying the spirit of electricity. Several thousand copies of the prize poster were printed and distributed thruout central Ohio. This part of the program was ably supervised and carried out by members of the A. I. E. E.

It was thot very necessary to provide some sort of entertainment for those attending the show and it was here that the electrical engineering students proved their worth. Two general kinds of amusement were furnished, spectacular and educational. Among the more spectacular stunts were the automatic typewriter which wrote whatever was dictated to it, a Tesla coil, lighting lamps by induction, and an electric gun not to mention the other numerous displays of lesser importance. The educational stunts consisted of instructions in meter reading, circuits set up to show relative amounts of power consumed by various sizes and types of lamps, comparing the old type carbon lamp with those of more recent design and the effect of different kinds of light on the color of cloth, especially when matching material.

One of the novel things was the style show. The garments furnished by the F. & R. Lazarus

Co. and displayed by young women from Ohio State University, included everything from dainty lingeree to bathing suits. Excellent lighting effects were produced by illumination students of the university.

An artistic butterfly dance was given by four small tots who tripped around the stage with all the grace and beauty implied in the name. An electrical dance was also given, the dancer having small electric lamps arranged in her hair and on her arms. Much effect was gained in all the dancing by the use of many colored flood lights arranged behind the stage.

The co-operation between the members of the Branch and between the Branch and the dealers was splendid. Each acted on the others suggestions and worked hard in carrying out their parts. It is well also to mention here the excellent assistance rendered by the sophomores and juniors in getting the material in final shape while the seniors were away on their annual inspection trip.

Howard Yerges '17, visited the Department the early part of April. He is a construction engineer with the Delco and Domestic Engineering Co., Dayton, Ohio.

An innovation in the design courses of the Department of Architecture has been the making of small models of buildings from drawings previously prepared in the same courses. The purpose of these models is to assist in a "three dimension" conception and to make as practical as possible the study of building design. This method of study is being advocated very strongly by pprfessional architects. The department realizes the value of this method and is among the first schools of architecture in the Country to make it a regular part of the design course.

During the second semester the Senior class model problem was an outdoor swimming pool and bathing pavilion. The Junior class model problem was a gate lodge and gardener's cottage. These models have been on exhibition in the corridor of the department. They have caused a great deal of favorable comment on the part of down-town architects who have inspected them, and from the students of the University who have seen them on exhibition.

Mr. W. S. Hindman was added to the University Architect's office March 15, 1920. His present work is the structural engineering problem of the new Stadium. Previous to his connection with the University Architect, he was employed by the State Highway Commission in he capacity of the bridge engineer. Mr. Hindman was a structural steel engineer in the Pittsburg district for about ten years. He was Assistant Professor in bridge design in the Civil Engineering Department, Ohio State University before he took up his work with the State Highway Commission.